

61. (New) The optical glass of claim 14 wherein said optical glass has a density of oxygen atoms contained in the range of from  $4.2 \times 10^{22}$  to  $5.2 \times 10^{22}/\text{cm}^3$ .

62. (New) The optical glass of claim 15 wherein said optical glass has a density of oxygen atoms contained in the range of from  $4.2 \times 10^{22}$  to  $5.2 \times 10^{22}/\text{cm}^3$ .

63. (New) The optical glass of claim 16 wherein said optical glass has a density of oxygen atoms contained in the range of from  $4.2 \times 10^{22}$  to  $5.2 \times 10^{22}/\text{cm}^3$ .

64. (New) An optical glass comprising  $\text{P}_2\text{O}_5$ ,  $\text{B}_2\text{O}_3$ ,  $\text{WO}_3$  and an alkali metal oxide, wherein the total quantity of  $\text{P}_2\text{O}_5$  and  $\text{B}_2\text{O}_3$  is 15-35 molar percent and a content of  $\text{WO}_3$  is 2-45 molar percent and a density of oxygen atoms contained ranges from  $4.2 \times 10^{22}$  to  $5.2 \times 10^{22}/\text{cm}^3$ .

65. (New) The optical glass of claim 62 wherein said optical glass comprises 2-30 molar percent of  $\text{Li}_2\text{O}$ .

66. (New) The optical glass of claim 14 wherein said optical glass does not comprise substantial amount of  $\text{GeO}_2$ .

67. (New) The optical glass of claim 15 wherein said optical glass does not comprise substantial amount of  $\text{GeO}_2$ .

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68. (New) The optical glass of claim 16 wherein said optical glass does not comprise substantial amount of  $\text{GeO}_2$ .

69. (New) The optical glass of claim 62 wherein said optical glass does not comprise substantial amount of  $\text{GeO}_2$ .

70. (New) The optical glass of claim 14 wherein said optical glass exhibits a glass transition temperature equal to and/or less than  $530^\circ\text{C}$  and a yield point temperature equal to or less than  $580^\circ\text{C}$ .

71. (New) The optical glass of claim 15 wherein said optical glass exhibits a glass transition temperature equal to and/or less than  $530^\circ\text{C}$  and a yield point temperature equal to or less than  $580^\circ\text{C}$ .

72. (New) The optical glass of claim 16 wherein said optical glass exhibits a glass transition temperature equal to and/or less than  $530^\circ\text{C}$  and a yield point temperature equal to or less than  $580^\circ\text{C}$ .

73. (New) The optical glass of claim 62 wherein said optical glass exhibits a glass transition temperature equal to and/or less than  $530^\circ\text{C}$  and a yield point temperature equal to or less than  $580^\circ\text{C}$ .

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74. (New) The optical glass of claim 14 wherein said optical glass exhibits a refractive index in the range of from 1.7 to 2.0, an Abbé number in the range of from 20 to 32.

75. (New) The optical glass of claim 15 wherein said optical glass exhibits a refractive index in the range of from 1.7 to 2.0, an Abbé number in the range of from 20 to 32.

76. (New) The optical glass of claim 16 wherein said optical glass exhibits a refractive index in the range of from 1.7 to 2.0, an Abbé number in the range of from 20 to 32.

77. (New) The optical glass of claim 62 wherein said optical glass exhibits a refractive index in the range of from 1.7 to 2.0, an Abbé number in the range of from 20 to 32.

78. (New) The optical glass of claim 14 wherein said optical glass exhibits a liquid phase temperature equal to or less than 970°C.

79. (New) The optical glass of claim 15 wherein said optical glass exhibits a liquid phase temperature equal to or less than 970°C.

80. (New) The optical glass of claim 16 wherein said optical glass exhibits a liquid phase temperature equal to or less than 970°C.

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81. (New) The optical glass of claim 62 wherein said optical glass exhibits a liquid phase temperature equal to or less than 970°C.

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82. (New) An optical part being composed of the optical glass of claim 1.

83. (New) An optical part being composed of the optical glass of claim 2.

84. (New) An optical part being composed of the optical glass of claim 3.

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85. (New) An optical part being composed of the optical glass of claim 10.

86. (New) An optical part being composed of the optical glass of claim 11.

87. (New) An optical part being composed of the optical glass of claim 13.

88. (New) An optical part being composed of the optical glass of claim 14.

89. (New) An optical part being composed of the optical glass of claim 15.

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102. (New) A method of manufacturing glass preforms wherein a prescribed amount of a piece of molten glass flowing out of a flowout pipe is received in a receiving mold to prepare a glass preform made of the optical glass of claim 1.

a molten glass glob is made to fall by causing molten glass flowing out of a flowout pipe to drip naturally or by cutting with a cutting blade;

the molten glass glob is received in a depression in a forming mold, and in the process, air, a nonreactive gas or some other gas is blown out through minute holes in the depressions; and,

104. (New) A method of manufacturing glass products comprising the steps of:

heating the glass preform prepared by the method of claim 102; and

precisely press molding the heated glass preform to obtain a glass product.